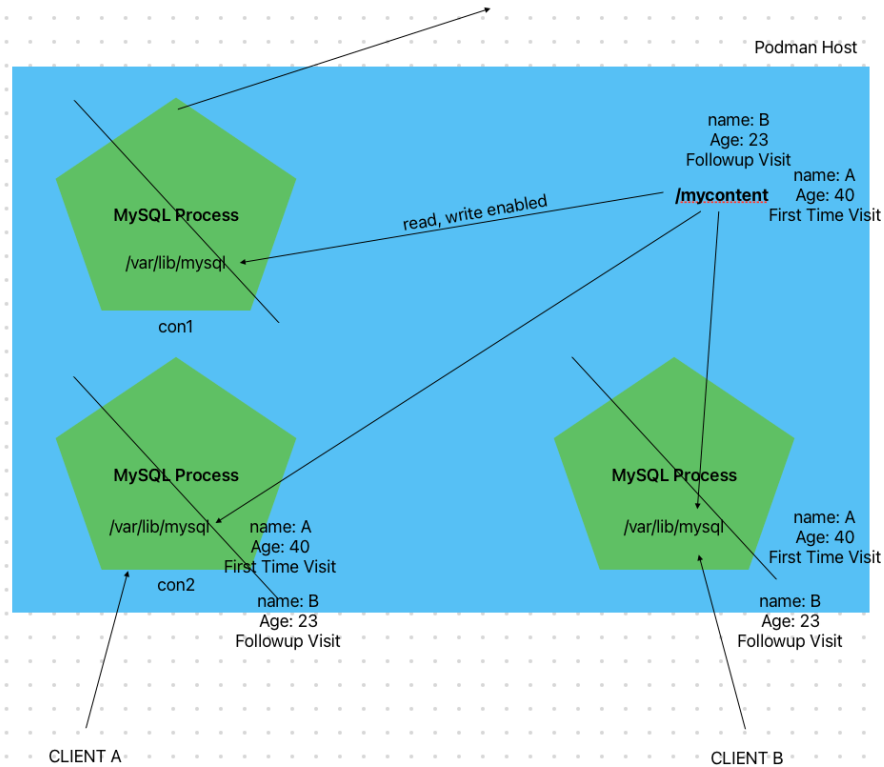# Persisting Data

1. Containers are ephemeral, so even if a container is deleted its data should be available.
2. This mounted data can now be shared amongst multiple containers.

Podman Host

MySQL Process

/var/lib/mysql

con1

read, write enabled

name: B
Age: 23
Followup Visit

/mycontent

name: A
Age: 40
First Time Visit

MySQL Process

/var/lib/mysql

con2

name: A
Age: 40
First Time Visit

name: B
Age: 23
Followup Visit

MySQL Process

/var/lib/mysql

name: A
Age: 40
First Time Visit

name: B
Age: 23
Followup Visit

CLIENT A

CLIENT B

Two Ways of Mounting

1. -v, --volume
-v <path_on_host>:<path_in _container>:<OPTIONS>

2. --mount
--mount type=<TYPE_of_Mount>,source=<path_on_host>,destination=<path_in_container>

Types of Mounting

1. bind for bind mounting
2. volume for volume mount (Preferred Method)
3. tmpfs for memory-only

OPTIONS

:Z (Sets a SELinux Context)
:rw (Read-Write Enabled Connection)
:ro (Read-Only Connection)